

Recombinant Human CAMK1D 293 Cell Lysate

Cat. No. CAMK1D-7882HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for calcium/calmodulin-dependent protein kinase ID (CAMK1D), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

CAMK1D calcium/calmodulin-dependent protein kinase ID [Homo sapiens]

Official Symbol

CAMK1D

Synonyms

CAMK1D; calcium/calmodulin-dependent protein kinase ID; calcium/calmodulin-dependent protein kinase type 1D; CKLiK; caMKI delta; caM-KI delta; CaM kinase ID; caM kinase I delta; CamKI-like protein kinase; CaM-K1; CaMKID;

Gene ID

57118

mRNA Refseq

NM_020397

Protein Refseq

NP_065130

MIM

607957

UniProt ID

Q8IU85

**Chromosome
Location**

10p13

Function

ATP binding; calmodulin binding; calmodulin-dependent protein kinase activity; nucleotide binding;

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